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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/955,498 09/17/2001 Ching-Wei Chang TAL/7146.114 9797 EXAMINER 7590 05/16/2005 Timothy A. Long GRANT II, JEROME Chernoff, Vilhauer, McClung & Stenzel, LLP PAPER NUMBER ART UNIT 1600 ODS Tower 601 S.W. Second Avenue 2626 Portland, OR 97204-3157

DATE MAILED: 05/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Status CHANG, CHING-WE		Application No.	Applicant(s)	
Jerome Grant II 2826 Jerome Grant II 2826 A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of an imary be a revision before the precisions of 3 CRF 1.136(a). In or event, however, may a reply be limitly filled to the protection of a reply specified above is less than thirty (30) abys, a reply within the statutory minimum of thirty (30) days, will be considered timely. If the period for reply specified above is less than thirty (30) abys, a reply within the statutory minimum of thirty (30) days will be considered timely. If the period for reply specified above is less than thirty (30) abys, a reply within the statutory minimum of thirty (30) days will be considered timely. If the period for reply specified above is less than thirty (30) abys, a reply with a constraint of the period of reply is specified above, be manumarkatory period will agree with a will be considered timely. If the period for reply specified above is less than thirty (30) abys, a reply with the statutory minimum of thirty (30) days will be considered timely. If the period for reply specified above is less than thirty (30) abys, a reply with the statutory minimum of thirty (30) days will be considered timely. If the period for reply specified above, be manumarked and the reply filled to reply specified and the reply specified and the reply filled to reply specified and the reply filled to reply specified and the reply filled to reply filled the reply filled to reply filled to reply filled to reply filled the reply filled to reply filled to reply filled to reply filled		09/955,498	CHANG, CHING-WEI	
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Ederacions of time may be available under the provisions of 37 CFR 1.13(e). In no event, however, may a reply be timely filed If the period for reply is evaluable under the provisions of 37 CFR 1.13(e). In no event, however, may a reply be timely filed If the period for reply septidised above, the meanimum stabulary plant will explain the stability minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the meanimum stabulary by entired will explye and utilized 50 (f) MONTHS from the mailing date of bits communication. Failure to reply within the set or a control period for incoming date of this communication, even if the provision of the communication. Failure to reply which the set or centred period for incoming date of this communication, even if the provision of the period of the communication, even if the provision of the period of the communication, even if the provision of the period of the communication, even if the provision of the period of the communication is non-final. 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) ☑ Claim(s) 1-10 Is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5 ☐ Claim(s) 1-10 Is/are pending in the application of the provision of the pr				
THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 3 CPR 1.73(a). In no event, however, may a reply be timely filed after SIX (8) MONTHS from the realing date of this communication. **Failure to reply within the set of extended principle of the communication.** **Failure to reply within the set of extended principle of the reply will be set of extended principle.** **Failure to reply within the set of extended principle of reply will, by statistic, cause the application to become ABANDONED (SEU S.C.§ 133). Any reply received by the Office after then there imminish date the mailing date of this communication, even if timely filed, may reduce any examine plants turn adjustment. See 37 CFR 1.794(b). **Status** 1) Responsive to communication(s) filed on				
1) Responsive to communication(s) filed on	 THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any 			
2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 1-2 is/are allowed. 6) Claim(s) 1-2 is/are ejected. 7) Claim(s) 9 and 10 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10○ The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be field in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1 Certified copies of the priority documents have been received in Application No. 3 Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. **TROM Paper Notified Copies of International Bureau (PCT Rule 17.2(a)). **See the attached detailed Office action for a list of the certified copies not received. **TROM Paper Notified Date.** **July International Disclosure Statepapers(s) (PTO-1449 or PTO:58)09 **July Internation of International Disclosure Statepapers(s) (PTO-1449 or PTO:58)09 **July International Disclosure Statepapers(s) (PTO-1449 or PTO:58)09 **July International Disclosure Statepapers(s)	Status			
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a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. **Attachment(s) Notice of References Cited (PTO-892)	Priority under 35 U.S.C. § 119			
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Detailed Action

1.

Claim 4 recites "said second dot" in paragraph (b). Then in paragraph (d), there is recitation of a third dot but there is not earlier recitation of either the second or third dot. There is insufficient antecedent basis for this limitation in the claim.

2.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

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Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Hubina

et al.

With respect to claim 1, Hubina teaches a method of rendering a halftone cell (see

figure 2a and halftone masks at the top of figure 3) comprising a plurality of pixels, the

method comprising the steps of: rendering a first pixel (PI1) at a first intensity; and

rendering second pixel (PI2) at a second intensity, said second intensity being greater

than a minimum intensity, less than a max intensity, and substantially different from the

first intensity, see figure 5.

With respect to claims 2 and 7, Hubina teaches the claimed subject matter as shown

by figure 2a. Fig 2a shows rgb pixels displaced vertically and horizontally from other

color pixels.

With respect to claims 3 and 8, Hubina teaches the claim limitation in that figure 6

shows where G is the second intensity and R is the first intensity.

With respect to claim 4, Hubina teaches rendering a halftone cell comprising an

array of dots, a dot comprising at least one pixel, the method comprising the steps of :

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Rendering a first dot PI1 at a first intensity (102 and 12); rendering a dot pixel (PI2) at substantially said first intensity, said second dot being displaced vertically and horizontally in the array from the dot. This is shown substantially by fig. 2a. Hubina further teaches rendering a dot pixel at a second intensity, said second intensity being greater than a minimum intensity less than a max intensity, (see figure 6) and substantially different from the first intensity and rendering a fourth intensity (from the color W of figure 2b) the fourth dot being displaced vertically and horizontally relative to the third (PI3).

With respect to claim 5, this limitation is taught with respect to figure 6 and the distance between PI1 and PI3.

With respect to claim 6, Hubina teaches the rendering of a halftone image with a plurality of cells comprising the steps of: sampling an intensity of an original image at a plurality of locations (optics 102 and sensor 12); rendering a first pixel (PI1) at a first intensity, said first intensity relating a location and intensity of the first sample. This limitation is clearly shown in figure 5. Hubina teaches rendering a second pixel PI2 of halftone cell at a second intensity in response to a second sample, said second intensity

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in relating a location and an intensity of the second sample and being greater than a minimum intensity, less than a max intensity and different from the first. See figures 5 and 6.

3. Objected Claims

Claims 9 and 10 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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4.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Thurs. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A. Williams, can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business-Center (EBC) at 866-217-9197 (toll-free).

J. Grant II

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Examiners figure 5

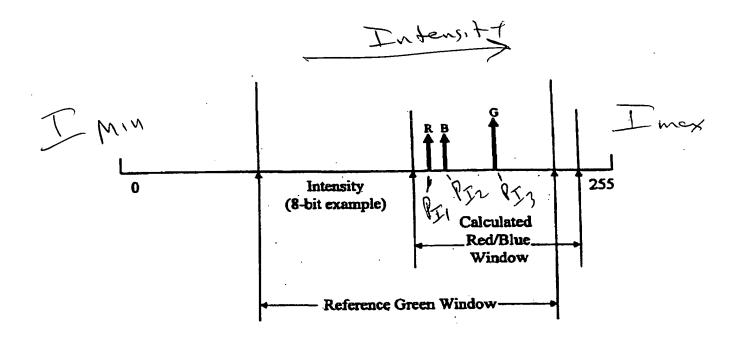


Figure 5

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Examiners Fig. 6

PII-PII ~ 127

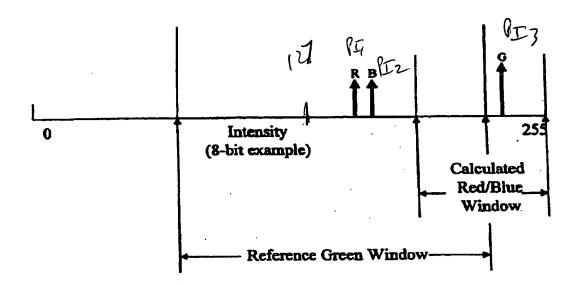


Figure 6